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Assembly Bearing with Hydraulic Damping 10/506589

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] This application is a National Stage of International Application No. PCT/EP03/03123, filed March 26, 2003. This application claims the benefit of German patent application 102 13 750.1, filed March 26, 2002. The disclosures of the above applications are incorporated herein by reference.

FIELD OF THE INVENTION

[0002] The invention relates to an assembly bearing with hydraulic damping, especially for supporting engines and/or gearboxes in motor vehicles.

BACKGROUND OF THE INVENTION

[0003] Hydraulically damped assembly bearings are generally known from, for example, DE 39 33 252 C2. In essence, the known assembly bearing is provided with a hydraulic chamber divided by a dividing wall into a working chamber and a compensation chamber. In the dividing wall is disposed a damping channel which interconnects the two chambers and permits a fluid to flow through.

[0004] The working chamber is limited at the top by a spring body that essentially has the shape of a truncated cone and is made of an elastic rubber material with a vulcanized connecting piece. The working chamber is limited at the bottom by a compensation membrane capable of taking up volume without pressure and which is covered by a bearing cap provided with fastening means.